

Appl.No. 09/655,109 Docket No.: 2906-4995US

| XhoI   |
|--|
| ACCANACCCAAAAAAAAGAGATCTGGAATTCGGATCCTCGAGGCCACGAAGGCCGAAACAG  |
| TGCTGAAGCCTTTAAATGCAGCATCTGCGATGTGAGGAAAGGCACCTCCACCAGAAAACC   |
| TCGGATCAATTCTCAGCTGGTGGCNCAACAAGTGGCACAACAGTATGCCACCCCACC      |
| CCCTAAAAAGGAGAAGAAGGAGAAAGTTGAAAAGCAGGACAAAGAGAAACCTGAGAAAGA   |
| CAAGGAAATTAGTCCTAGTGTTACCAAGAAAAATACCAACAAGAAAACCAAACCAAAGTC   |
| TGACATTCTGAAAGATCCTCCTAGTGAAGCAAACAGCATACAGTCTGCAAATGCTACAAC   |
| AAAGACCAGCGAAACAAATCACACCTCAAGGCCCCGGCTGAAAAACGTGGACAGGAGCAC   |
| TGCACAGCAGTTGGCAGTAACTGTGGGCAACGTCACCGTCATTATCACAGACTTTAAGGA   |
| AAAGACTCGCTCCTCATCGACATCCTCATCCACAGTGACCTCCAGTGCAGGGTCAGAACA   |
| GCAGAACCAGASCAGCTCGGGGTCAGAGAGCACAGACAAGGGCTCCTCCCGTTCCTCCAC   |
| GCCAAAGGGCGACATGTCAGCAGTCAATGATGAATCTTTCTGAAATTGCACATGGAATTG   |
| TGAAAACTATGAATCAGGGTATGAAATTCAAAACCTCCACCTGCCCATGCTGCTTGCATC   |
| - CCTGGAGAATCTTCTGTGGACATCGACCTCTTAGTGATGCTGCCAGGATAATTTCTGCTT |
| GCCATGGGCATCTGGCCACCAAGGAATTTCGCACCCTGACGATTACTCTTGACACTTTTA   |
| TGTATTCCATTGTTTTATATGATTTTCCTAACAATCATTTATAATTGGATGTGCTCCTGA   |
| XhoI   |
| ATCTACTTTTTATAAAAAAGCCTTYGTGGCCTCGAGAGATCTATGA                 |

FIG. 1

| L    | TATAACTATCTATTCGATGATGAAGATACCCCACCAAAACCCAAAAAAAA                   |
|------|--|
| 61   | XhoI<br>TCGGATCCTCGAGGCCACGAAGGCCTTTCTCCTCCGAGCGGCGCCGGTTTCGGCTTGGGG |
| 121  | GGGGCGGGTACAGCCCATCCATGACCATGGGCGACAAGAAGAGCCCGACCAGGCCAAAA          |
| 181  | A GACAAGCGAAACCTGCCGCAGACGAAGGGTTTTGGGATTGTAGCGTCTGCACCTTCAGA        |
| 241  | AACAGTGCTGAAGCCTTTAAATGCAGCATCTGCGATGTGAGGAAAGGCACCTCCACCAGA         |
| 301  | AAACCTCGGATCAATTCTCAGCTGGTGGCACAACAAGTGGCACAACAGTATGCCACCCCA         |
| 361  | CCACCCCTAAAAAGGAGAAGAAGGAGAAAGTTGAAAAGCAGGACAAAGAGAAACCTGAG          |
| 421  | AAAGACAAGGAAATTAGTCCTAGTGTTACCAAGAAAATACCAACAAGAAAACCAAACCA          |
| 481  | AAGTCTGACATTCTGAAAGATCCTCCTAGTGAAGCAAACAGCATACAGTCTGCAAATGCT         |
| 541  | ACAACAAAGACCAGCGAAACAAATCACACCTCAAGGCCCCGGCTGAAAAACGTGGACAGG         |
| 601  | AGCACTGCACAGCAGTTGGCAGTAACTGTGGGCAACGTCACCGTCATTATCACAGACTTT         |
| 661  | AAGGAAAAGACTCGCTCCTCATCGACATCCTCATCCACAGTGACCTCCAGTGCAGGGTCA         |
| 721  | GAACAGCAGAACCAGAGCAGCTCGGGGTCAGAGAGCACAGACAAGGGCTCCTCCCGTTCC         |
| 781  | TCCACGCCAAAGGGCGACATGTCAGCAGTCAATGATGAATCTTTGTGAAATTGCACATGG         |
| 841  | AATTGTGAAAACTATGAATCAGGGTATGAAATTCAAAACCTCCACCTGCCCATGCTGCTT         |
| 901  | GCATCCCTGGAGAATCTTCTGTGGACATCGACCTCTTAGTGATGCTGCCAGGATAATTTC         |
| 961  | TGCTTGCCATGGGCATCTGGCCACCAAGGAATTTCGCACCCTGACGATTACTCTTGACAC         |
| 1021 | TTTTATGTATTCCATTGTTTTATATGATTTTCCTAACAATCATTTATAATTGGATGTGCT         |
| 1081 | XhoI<br>CCTGAATCTACTTTTTATAAAAAGGCCTTCGTGGCCTCGAGAGATCTATGA          |

FIG. 2

Appl.No. 09/655,109 Docket No.: 2906-4995US

| 1   | HEGLSPPSGA | GFGLGGAGYS | PSMTMGDKKS | PTRPKRQAKP |
|-----|------------|------------|------------|------------|
| 41  | AADEGFWDCS | VCTFRNSAEA | FKCSICDVRK | GTSTRKPRIN |
| 81  | SQLVAQQVAQ | QYATPPPPKK | EKKEKVEKQD | KEKPEKDKEI |
| 121 | SPSVTKKNTN | KKTKPKSDIL | KDPPSEANSI | QSANATTKTS |
| 161 | ETNHTSRPRL | KNVDRSTAQQ | LAVTVGNVTV | IITDFKEKTR |
| 201 | SSSTSSSTVT | SSAGSEQQNQ | SSSGSESTDK | GSSRSSTPKG |
| 241 | DMSAVNDESF | *NCTWNCENY | ESGYEIQNLH | LPMLLASLEN |
| 281 | LLWTSTS**C | CQDNFCLPWA | SGHQGISHPD | DYS*HFYVFH |
| 321 | CFI*FS*QSF | IIGCAPESTF | YKKAFVASRD | L*         |

FIG. 3

Appl.No. 09/655,109 Docket No.: 2906-4995US

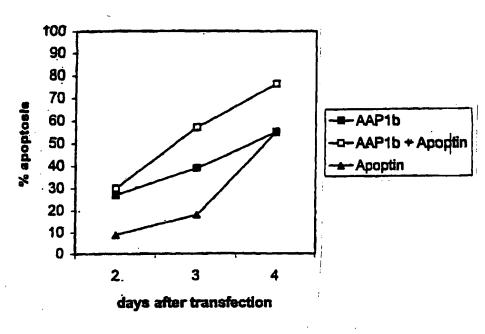


FIG. 4